

7530-00-222-3521
FEDERAL SUPPLY SERVICE
(GPO)

This Book belongs to:

Russell Greenberg

Dept. Zoological Research

National Zoo

Washington, D.C.

20008

672-4781

Lot 5

20753

1 May clear & cool 10-11 hrs
openings on canopy floor & understory
Saplings - leaves long out on Tulip
Trees.

I had to try & crowd
white & blue titm. & green below
upper parking lot. Found bird 3
W.W. ♂ SW - I let feed
20 times from oak leaflet clusters - ✓
mainly by glancing by 2-3 sideways pattered.

In flushed of YRW - hd
B+L Wrbthr, SW & Ld ovenbird &
Louisiana Waterthrush.

2 May Mostly sunny
started at bottom of hill

at ~~an~~ stone wall found $1\frac{1}{2}$ " L.E.W.

(in a chose).

10 oak 1b green (medium)

2 oak 1t green

3 oak 1b lean over

1 3" dcl pack (instantaneous)

found \approx 10 feet up \rightarrow 30' 40' p.

$\frac{1}{2}$ " 5D
 $\frac{1}{2}$ " 3D

$\frac{1}{2}$ " 3L
 $\frac{1}{2}$ " 2cm
 $\frac{1}{2}$ " 6a
 $\frac{1}{2}$ " stone w"

b 3 30-40' oak 1bglx3

1b lean over x2

hig = probe bark +

snow x 1

c 30' oak 1bglx1.5

1bglx2

⊕

gut small sun

green pillars

out loose & long

young clustered

6-10' & older

D. 1bglx3, branch poor, end of branch

probe g.h

crushed ⊕

soft sing flow
charxi

looks like pine fully in woodch

$\frac{1}{2}$ "-1" oak but buttons x2

3" Dcl last pack

28 sm ch

3" 5+1bgl x 0.5

at Information Red trail 3e 8+1bgl oak

4 min R.C.

2d 8 min - chgs
- shgs

Right

23 sec
out of

blue/white tan

Left

♂ - prob into head laws on ground - ate

black probe

0.1 lb/lv 2-3

✓ a g.
termite

♂ 1b New O.H. - thin skin over ground

on ground

✓

My 6 Licker below P.M lot

shrub

50

50

80

100, 1
50

50

50 sec
hours 16

50

50

50

50

50

50
50

50 3m
cattail
black

50

50

50

50

50

50

50
50
50

7000 ft 1 pm

50

50

50

80 300 100 110

750

50

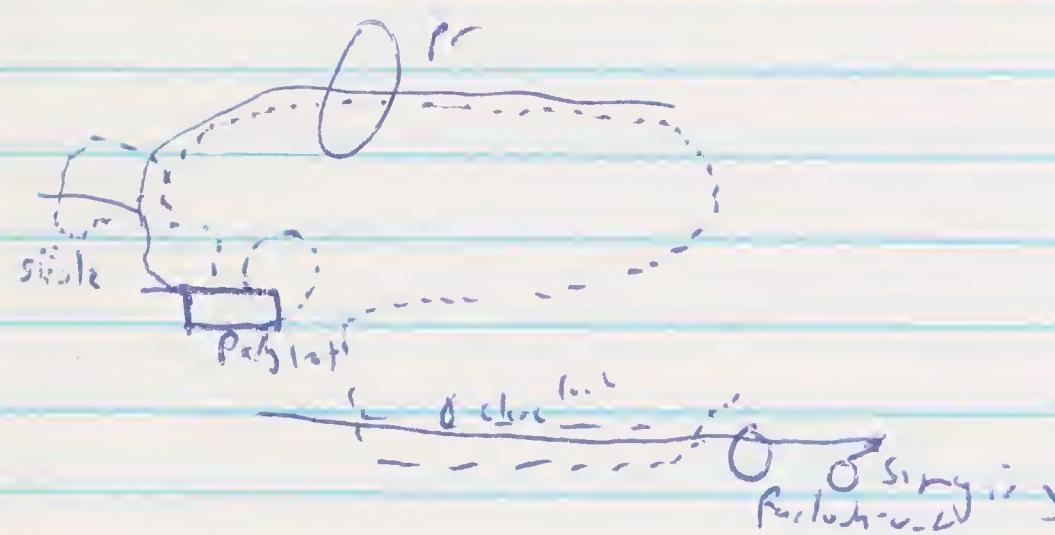
50

750

0/4

6 May 9-1300 Rainy & cloudy
 Canopy oaks still only beginning to
 leaf out - underlying Maples & Oaks
 with 2-3" l.c. flts.

I covered the following route



some of the O.h leaves belonged
 to underlying shrubs & weren't particularly
 curled. (dead but attached)

Single on Horse trail 7 x O.h flower probe
 35'

♂ at Lookout 10 x 1h glam new
 O.h leaf clusters 25' ✓

Collected 100 dead tree barks P-31+

I encountered 2 birds tapping O.h &
 may have thru-hatched underlays. No
 co-operation so probably were a pair.
 1st bird I found no buds big, wavy, ill.
 Forst no bird dead leaf + bark probing -
 no foliage green. 0-5

First bird 5 O.h leaf clusters 3-4"

dead leaf 1 Big M. pr. leaf cluster 6-7" ✓
 1 small cluster
 2-3 broken

2nd bird 3-4 O.h leaf clusters
 Noth, green - all probes (no lvs) -
 + no successful
 form)

8 May

930-130?

I checked low slope along Road

~~Afternoon~~

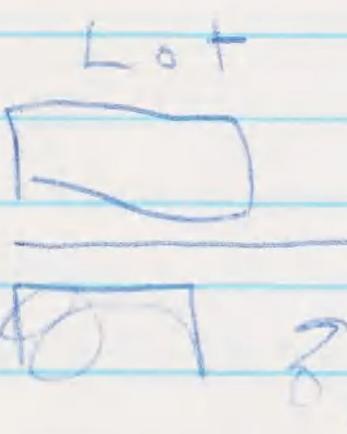
for an hour or so

Permit

My hunting 13 new
in the district.

I then went along B&W trail

I heard 4+ ♂.



Foraging

a: Deer last fence $\times 10$ all oak + one
Sawdust ✓

top check - change - no

success obtained

(Antlerless activity)

Maple (big) $\times 7$ branch bumper $\times 3$ ✓

b: Elk last fence (Lone) ✓

also went into ground surface
but at 2 spots

c: Big $\times 7$ - Oak (very small) ✓

end of b, branch probe $\times 3$

d: varying top - ground + end last
fence $\times 3$

Deer - Deer last check $\times 20$ ✓

success at 2 $\oplus \ominus$

dusted

(Lone + 3) - the rest probes

Line. (cat conus) May 8

upper fly 10z

Fay

50

50 2mm blu sp 1b

50 3mm (blue) (blu) 1b

50 2mm weep 1b

50

50 3 x 3-4mm blu L

1b yellow 1b

50 3mm blue weep 1b

50

50 4mm blu 1b

50

50

50

50

50 3 x 3mm blue pilk 1b

50 3mm blu 1b

50

50

50 3mm blue pilk 1b

50 3 x 3mm 1b blu pilk

50 2 x 3-4mm blu pilk

50 2 x 2mm blu pilk 1b

Luna 1

50 3mm

blue weep 1b

1b

50

50

50

50

50

50

50

50

50

50

50

50

50

Stink

50 (1 x 1m blu pilk)

50

50 (2 x 3mm 1b blu pilk)

50

50

50

50 (3mm 1b blu pilk)

50

50 blu batch red pilk

50 1b 3mm

Loc 1

50

50

50

50

50

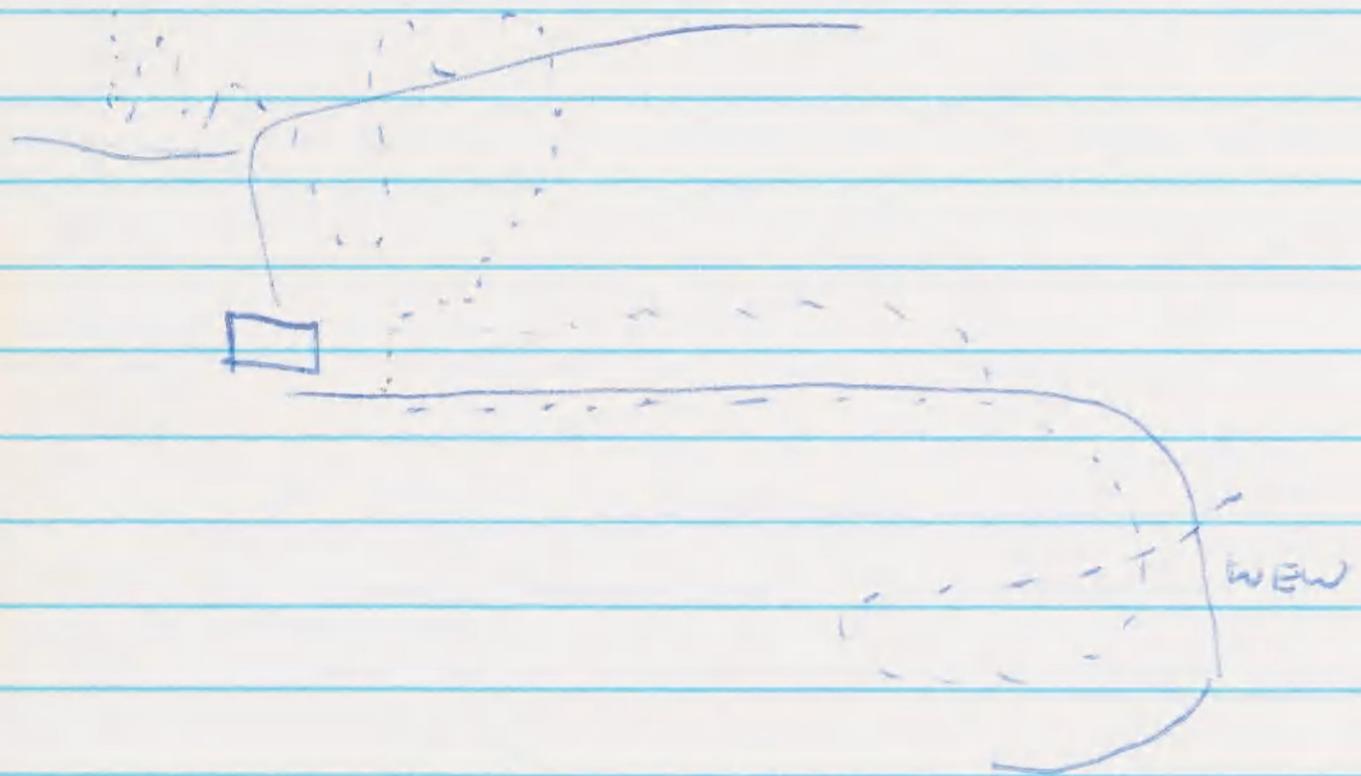
50

9 May

1030 - 1530

overcast &
windy

Canopy trees still have small leaves &
with cold temperature & wind so
the Mountain top felt wetter - also
few birds singing a few moments I
saw only 2 WEW - although I
covered large areas!



The sound was at the circle on the
line up

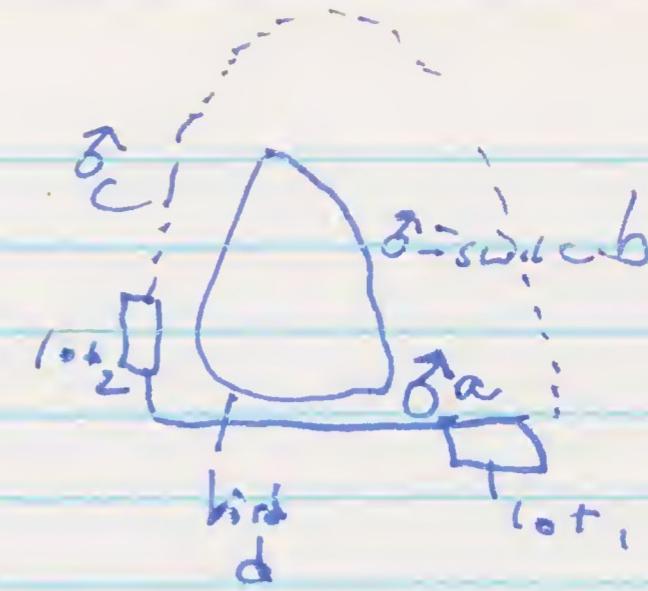
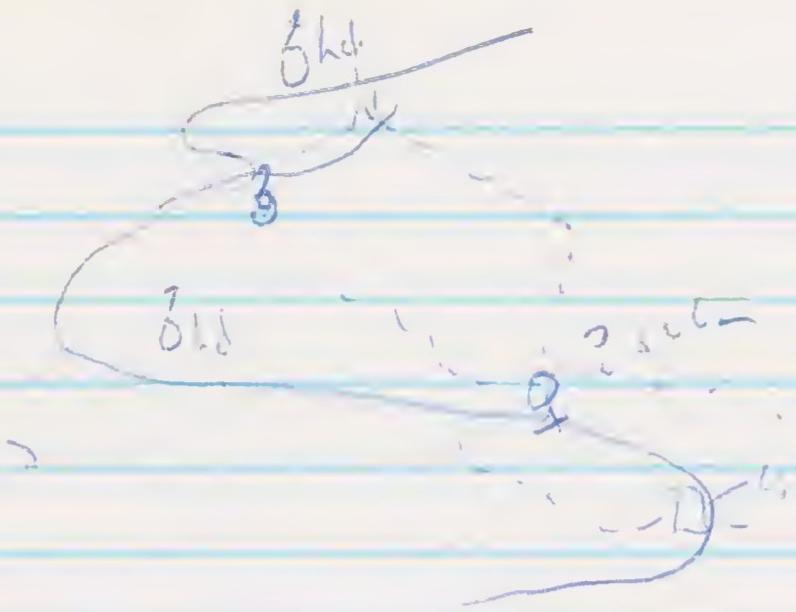
Wew #1 sings for a few times fed low
in local on our near ground - pointing into dead ✓
(dead trees) 4-5 times.

Wew #2 - 25' in oak - 1b, 1x10

branch probe all
glean

thin fl - to squirrel
nest made of dried Oak leaves
it forms fan like on the
edge of the squirrel nest. (PL x10).
-2 hard

May 10



♀ Watched for 5-10 min. (etc) ✓
(p. 71 - shrubs)
Lg gl x 20-30, 2 (big) n. min (10')
mild sun, Dec. probably 100 plus

10 feet off (4 pines, 2 bals, 0 sun),
dfl (down)

I hiked around top of mt. +

hd or sun 4 LEM - 3 war

single ♂



foreign on b c d

b - 1b gl x 3 30' in oak ✓

c 1b gl x 8 hgt x 2 in oak - ✓
grabbed onto leaf cluster with feet
also grabbed probe to damage
several times + manipulated a
green edge

d 1b gl x 8 - also grabbed into damage
flame war x 1 brood +
two pressed together
(over)

May 5 (cont)

6 x 3mm spider
2 x 5mm spider
6 x 4mm
1 x 7mm

2.5 x 4mm caterpillar (brownish)

1/10 + 2 1cm H. lactid bees



2 8 + 3mm spider

4 x 4mm spider

1.5 cm thin centipede

0/11 predators

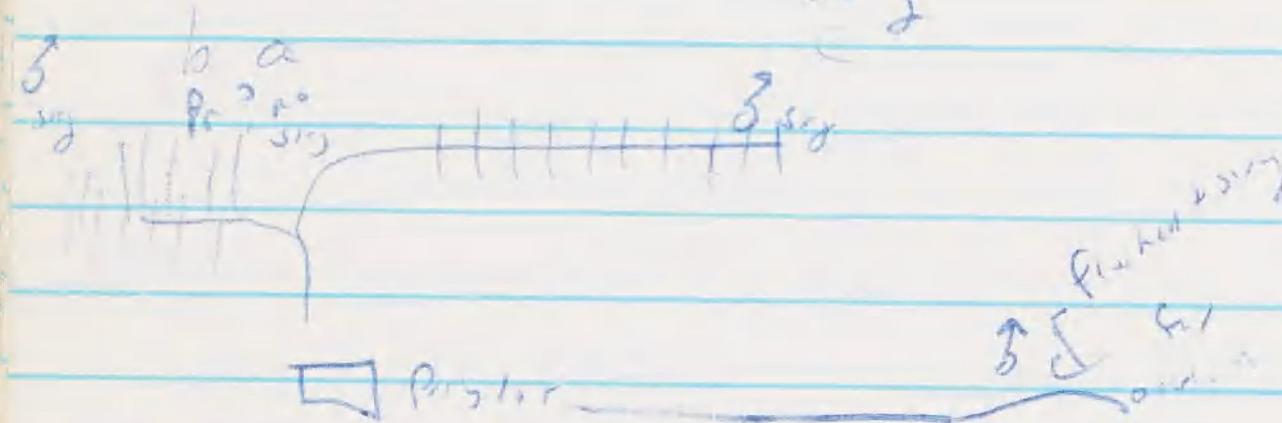
May 9 collection

31 and. to
da

May 11 9:00 - 14:00

① Sancy, bony up to 80's

checked at lower slopes



d - 3 on slope near the fire lookout
alters white trunks - $1b_{35} \times 10$ - probe
under loose bark broken ✓

④ ♂ 35, $1b_{35} \times 5$ 3 successful detections ✓

25
bq $1b_{35} \times 3$ distinct pink (2 ft + " on view)
single layer ✓

♂ Hostetler oak

35' dropped to foreground in laurels

2' bark probe on 2cm branches $\times \approx 10$ ✓

↓ open living oak 10 $1b_{35}$ -

35' got ps from 5/10 lat. clusters
checked

M. 11.1 Limestone census

strata

strata

1	↔	↔
2	50	50
3	50	4mm green pil (b)
4	50	2mm blue pil
5	50	long green pil
6	50	4mm brown pil
7	50	6mm green pil
8	50	3mm green
9	50	8mm green
10	50	2mm 1 mm brown
11	50	brown
12	50	brown
13	50	2x4mm brown
14	50	silver white
15	50	(brownish b)
16	50	6mm blue pil (b)
17	50	(brownish - 2+2mm brown)
18	50	6mm blue pil (b)
19	50	(1mm blue pil (b) + 1mm brown pil (b))
20	50	
21	50	
22	50	
23	50	brown
24	50	1mm with flint
25	50	stem pil + microf.

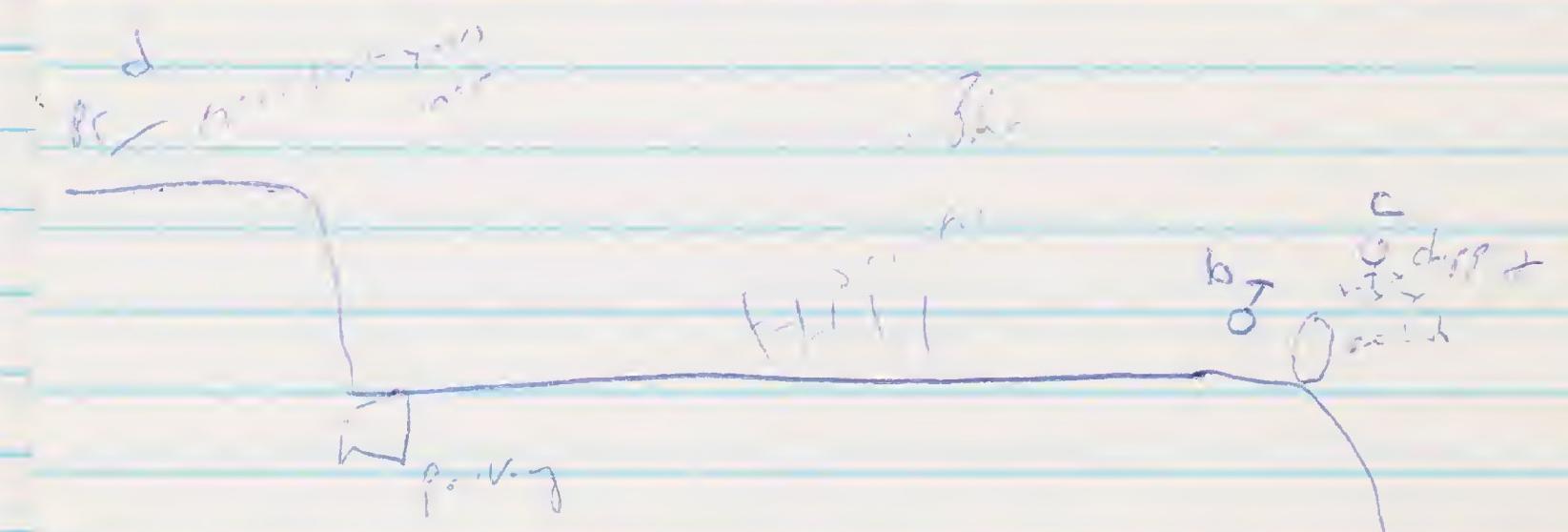
5/3

M. 13 830-1230 Beautiful Day!

lower strata

5a. 50

a only 1/3 sec - & 1d - at probe
dark carbon 210 25' ✓



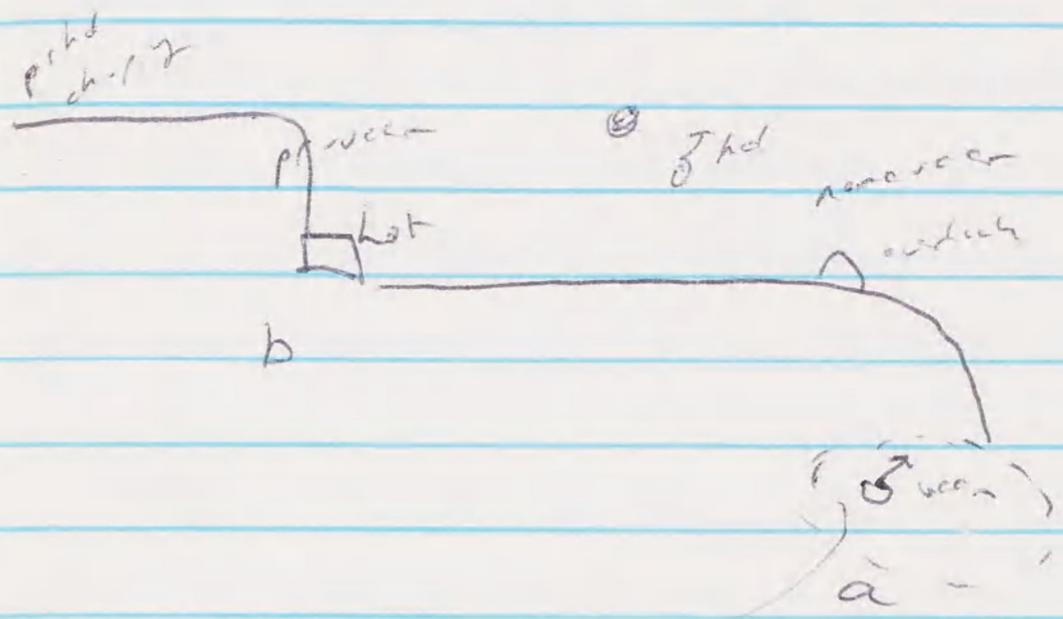
b - 1b, 1c, 1d, 1e, 1f, 1g, 1h, 1i, 1j, 1k, 1l, 1m, 1n, 1o, 1p, 1q, 1r, 1s, 1t, 1u, 1v, 1w, 1x, 1y, 1z, 2, 2a, 2b, 2c, 2d, 2e, 2f, 2g, 2h, 2i, 2j, 2k, 2l, 2m, 2n, 2o, 2p, 2q, 2r, 2s, 2t, 2u, 2v, 2w, 2x, 2y, 2z, 3, 3a, 3b, 3c, 3d, 3e, 3f, 3g, 3h, 3i, 3k, 3l, 3m, 3n, 3o, 3p, 3q, 3r, 3s, 3t, 3u, 3v, 3w, 3x, 3y, 3z, 4, 4a, 4b, 4c, 4d, 4e, 4f, 4g, 4h, 4i, 4k, 4l, 4m, 4n, 4o, 4p, 4q, 4r, 4s, 4t, 4u, 4v, 4w, 4x, 4y, 4z, 5, 5a, 5b, 5c, 5d, 5e, 5f, 5g, 5h, 5i, 5k, 5l, 5m, 5n, 5o, 5p, 5q, 5r, 5s, 5t, 5u, 5v, 5w, 5x, 5y, 5z, 6, 6a, 6b, 6c, 6d, 6e, 6f, 6g, 6h, 6i, 6k, 6l, 6m, 6n, 6o, 6p, 6q, 6r, 6s, 6t, 6u, 6v, 6w, 6x, 6y, 6z, 7, 7a, 7b, 7c, 7d, 7e, 7f, 7g, 7h, 7i, 7k, 7l, 7m, 7n, 7o, 7p, 7q, 7r, 7s, 7t, 7u, 7v, 7w, 7x, 7y, 7z, 8, 8a, 8b, 8c, 8d, 8e, 8f, 8g, 8h, 8i, 8k, 8l, 8m, 8n, 8o, 8p, 8q, 8r, 8s, 8t, 8u, 8v, 8w, 8x, 8y, 8z, 9, 9a, 9b, 9c, 9d, 9e, 9f, 9g, 9h, 9i, 9k, 9l, 9m, 9n, 9o, 9p, 9q, 9r, 9s, 9t, 9u, 9v, 9w, 9x, 9y, 9z, 10, 10a, 10b, 10c, 10d, 10e, 10f, 10g, 10h, 10i, 10k, 10l, 10m, 10n, 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41m, 41n, 41o, 41p, 41q, 41r, 41s, 41t, 41u, 41v, 41w, 41x, 41y, 41z, 42, 42a, 42b, 42c, 42d, 42e, 42f, 42g, 42h, 42i, 42k, 42l, 42m, 42n, 42o, 42p, 42q, 42r, 42s, 42t, 42u, 42v, 42w, 42x, 42y, 42z, 43, 43a, 43b, 43c, 43d, 43e, 43f, 43g, 43h, 43i, 43k, 43l, 43m, 43n, 43o, 43p, 43q, 43r, 43s, 43t, 43u, 43v, 43w, 43x, 43y, 43z, 44, 44a, 44b, 44c, 44d, 44e, 44f, 44g, 44h, 44i, 44k, 44l, 44m, 44n, 44o, 44p, 44q, 44r, 44s, 44t, 44u, 44v, 44w, 44x, 44y, 44z, 45, 45a, 45b, 45c, 45d, 45e, 45f, 45g, 45h, 45i, 45k, 45l, 45m, 45n, 45o, 45p, 45q, 45r, 45s, 45t, 45u, 45v, 45w, 45x, 45y, 45z, 46, 46a, 46b, 46c, 46d, 46e, 46f, 46g, 46h, 46i, 46k, 46l, 46m, 46n, 46o, 46p, 46q, 46r, 46s, 46t, 46u, 46v, 46w, 46x, 46y, 46z, 47, 47a, 47b, 47c, 47d, 47e, 47f, 47g, 47h, 47i, 47k, 47l, 47m, 47n, 47o, 47p, 47q, 47r, 47s, 47t, 47u, 47v, 47w, 47x, 47y, 47z, 48, 48a, 48b, 48c, 48d, 48e, 48f, 48g, 48h, 48i, 48k, 48l, 48m, 48n, 48o, 48p, 48q, 48r, 48s, 48t, 48u, 48v, 48w, 48x, 48y, 48z, 49, 49a,

- probably ♀
d. bark probe x 5 10'-15' ✓

Q under overwash was eating like
crazy & chipping as if disturbed ✓

for along House Trail & gave away
had both birds chipping a lot
+ following immediately

May 14 830-1430 mostly
cold, windy + overcast.



a. bird mainly in understory - I
saw it flying or on or near ground
often hopping about prob. into dead leaves,
on ground - bark probe x 2 - ✓
♂ flew both at small leafed plants
(Spartium) + long ones - (sat w/pill) ✓
X 3-4 went to low cover 10' st = 5
grubbed a lot n
gut full

b. watched 6 ft + in for 40' - probably two
birds low in Laurel understory
birds moved rapidly + dropped
constantly - occasionally chipping.
The bird picked or probed Dead leaves ✓
20-25 times (no hits) - + grabbed +
eaten with one + sat up w/ r. puffed
another spec - 5 trees

all oak leaves but large
and few

it plowed dead and leaves on ground.
it probed bark on big tree low branches
5-10 times. - oak 1b gl x 2-3 (psu)
caterpillar from soil). - pull at periods
+ holes + lot.

15 May 1:20 pm Hurstail Wingy tpc

(M) Wisteria shrub

L-a 1

1 50- 3mm humpish 2mm x 3" b

2 50 2 x 2mm sphd 1b

3 50 3 x 3mm hump 1b

4 50 3mm hump 1b

5 50 3m hump 1b 2 x 2mm sphd 1b

6 50 12 + 3mm sphd 1b

7 50 6mm bumpish w- 2mm bulb 1b 2 x 3mm
sphd 1b

8 50 2 x 2mm sphd 1b

9 50 4+ 3mm bump (2 1/2, 2 1/2) 6mm bumpish
bulb 1b

10 50 2 x 3mm hump 1b

11 50

12 50 5 x 3mm sphd 1b 2 x 2mm sphd

13 50

14 50

15 50 2 x 2mm sphd 1b

16 50

17 50 3 x 3mm hump 1b

18 50 5 sphd 1b

19 50

20 50

21 50 (3 x 3mm hump 1b)

22 50

23 50

24 50

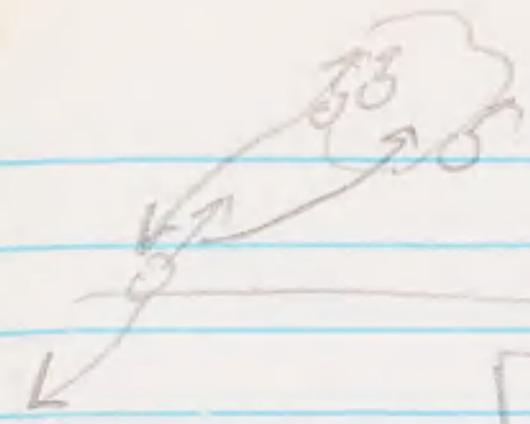
25 50

16 May 930-200

windy & very cold

I covered slope below

Blue trail, the Parking Lot &
the Horse Trail I hd
2 WEW sing & saw none



shack

Park Lot

♂-brush song
Sunks
1111

♂hd

17 May 930-1330

windy & cold

I covered slope at mtn - 411

Ground mtn - I hd no

WEW sing -

near Park, 1st - I saw 2

♂♂ chvt - One gal flight song -

a bit chipped. - 2nd

bird sing briefly after 1st bird
flw back

Land 5/15

1 50

2 50

3 50

4 50

5 00

6 50

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Dead Leaves

May 9 Insect Sample 3.

2cm moth (brown)

2 x 3mm spider

1 x 6mm spider

2/4

May 10?

4mm spider

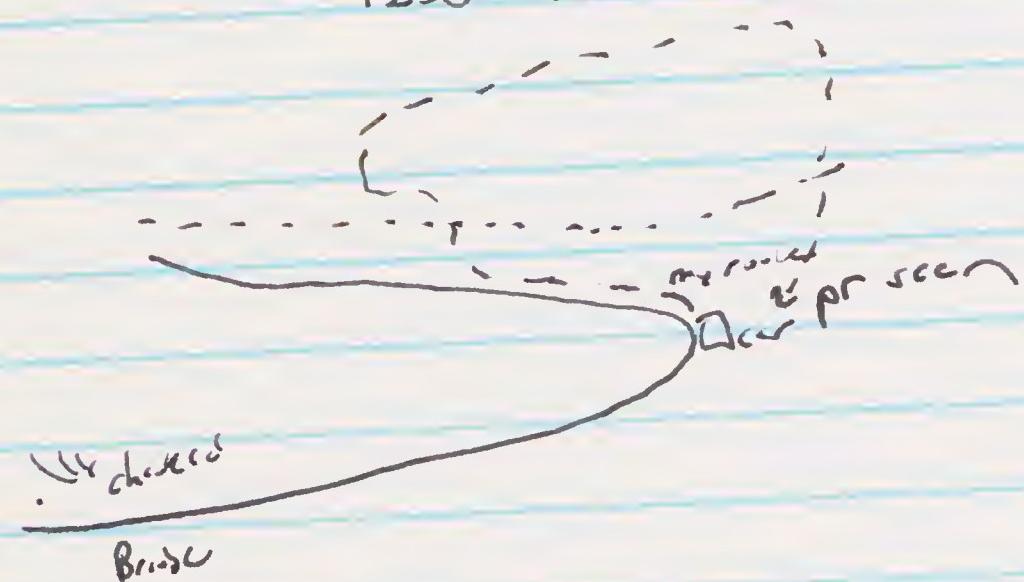
5 mm spider

4 mm spider

0/3

17 May Sunny moderate, light wind.

1230 - 530



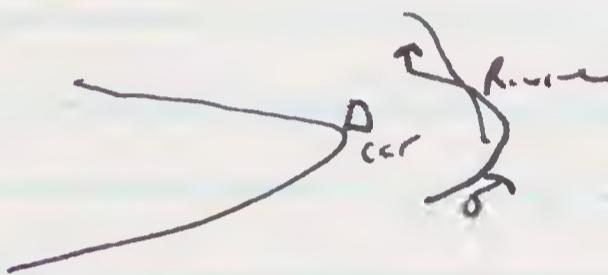
Pair clipping a lot. I first
flushed bird from shrub ~ 2-0
One came in in oak crop -
I saw bird in crop ~ 40
minutes. but no ♀ indicates otherwise.

30 lb glam oak, 21b hex (carb) ✓
5-bark probe (oak branch)
5 lb glam Azotek > several pullings
hopped on ground briefly

Then!

18 May Overlook - moderate - no
wind

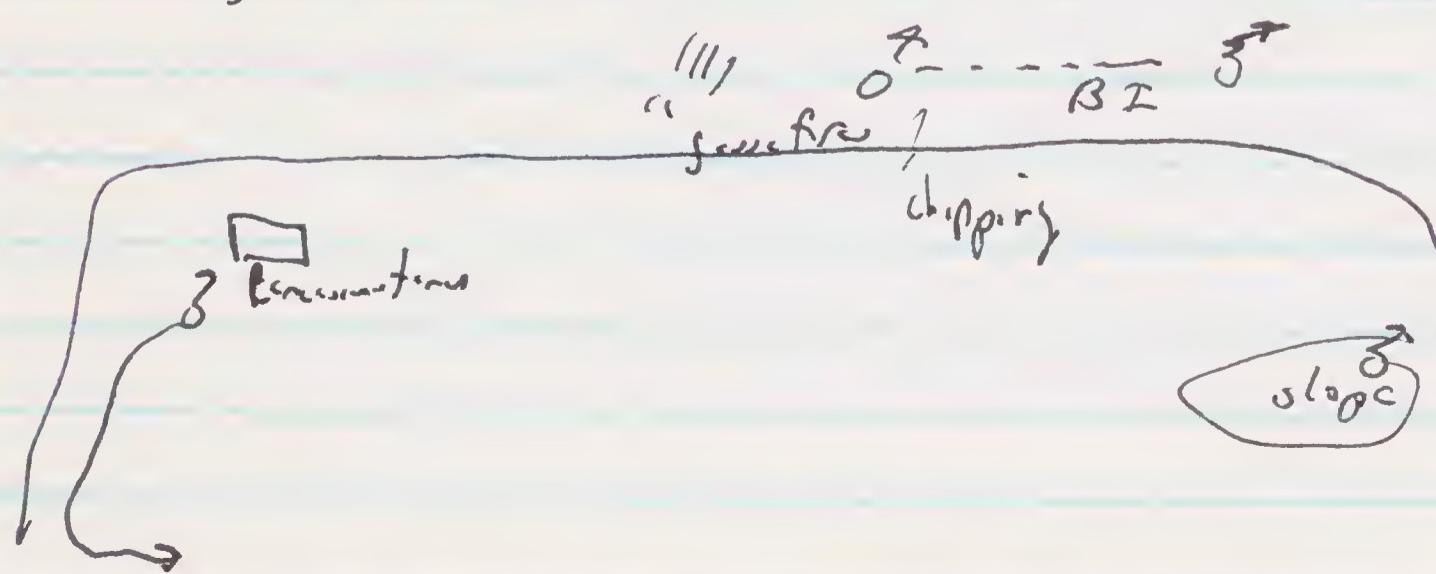
I checked first territory along
road & found ♂ (Chestnut song)
in Oak canopy - 20+16 gleam 25'
2x 16 hrs (natural) - picked up
danger - got several pillows also ✓
bulk probe x 5



no ♀ seen

checked along white tr. -

at concession stand ♂ singing 40'
Oak 16 gleam x 20 hans x 3
Shrub 16 gleam x 10 - hopped on ground branch ✓
hang on low branch (top)



♂ on far slope along White tr.
was singing persistently - from low
in understory - Oak 16 sl + 3 (15') ✓
bedrock (1) - understory

I check slope between overlook &
over in + I had singing come
out chirpy + fly towards overlook
where I saw a chestnut (brust sing.)
Later I had more chirping on slope
~~overlook~~

May 25 830-200
Warm + muggy - light breeze

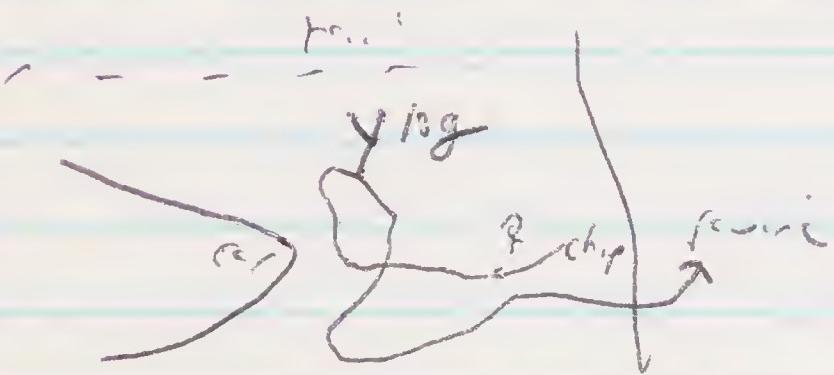
stopped at territory 1 - on
road up to second slope

saw ♂ & ♀ moving through
Oak sprig - ♂ occasionally gave 25'
short song + ♀ chipped loudly 35'
& a lot - both birds followed slow.
- 1.0 t
♀ - 20+ lb gl, 20 feet away
f (b) kept by 2' - --
✓

♂ ~~at~~ 10:15 - ad. cock

v

couldn't locate nest -

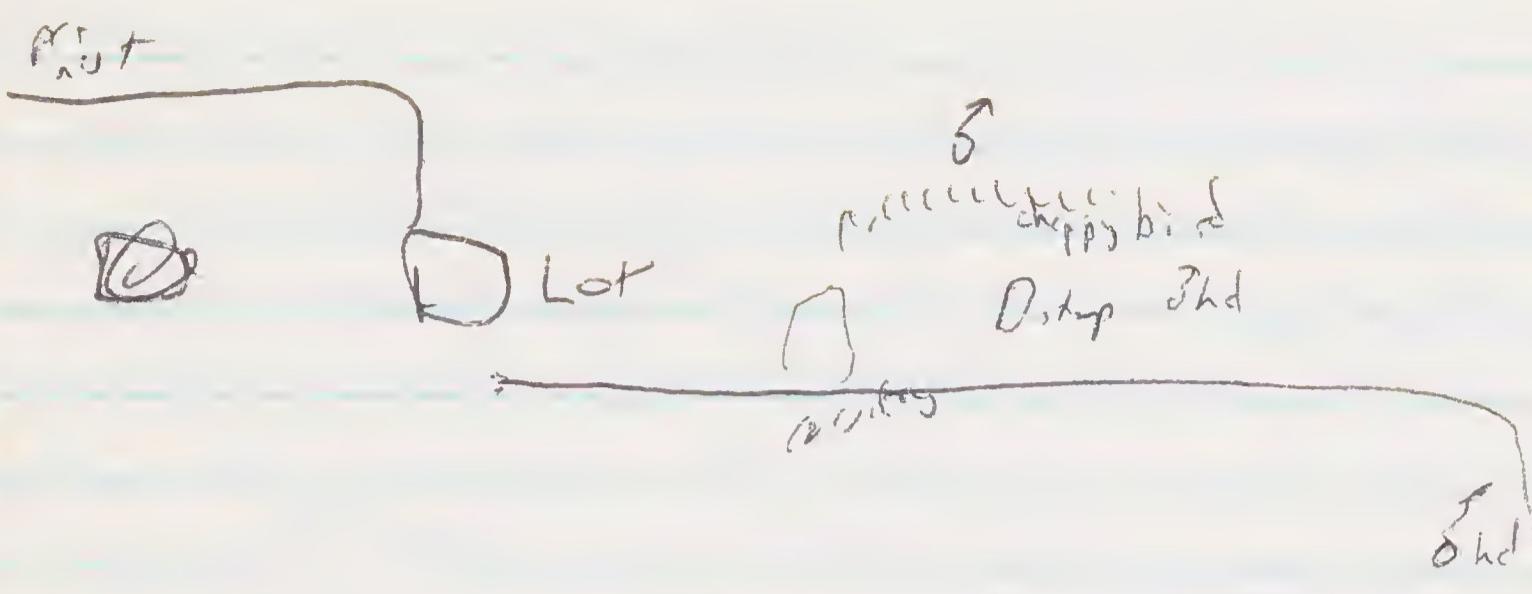


for - at BBentley

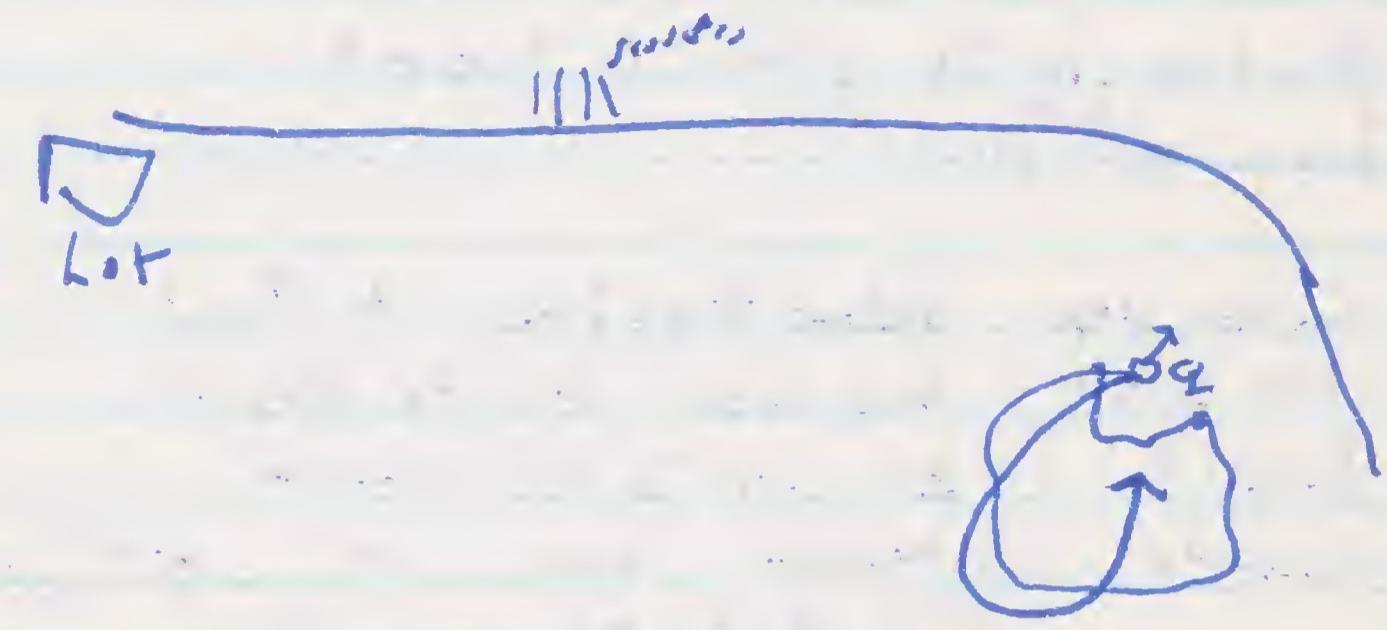
checked out slope below Horse trail -
heard streaked chitter at Blue Bird
Display - at far end (where I heard
I had ^{seen} on May 14) - ♀ came
up chirping followed by ♂ - very
loud & persistent - so I checked -
within 5 mins, ♀ got on
nest - under a small lg
3 warblers + 2 catbird eggs
funny included ^{one} 1 b gl + 1, pre-nestling ✓
branch probe + 2, tail curl ~~shrub~~ they're
Dead leaf probe (small) x 1 = 10'

I went along slope below Blue tr. -
I saw a scoop under bush chick
had a few feathers - expect nest? -
it's a long shot & I had made
3700 flights in area.

I'd 2nd ♂ sing + nearby another
bird chipped loudly - I wait
near ground in shrub hairy or clear
but - it continued to chip
but moved away - bird on
far slope was heard singing



May 21 9:30 - 4:30 ~~♂♂~~ <sup>sunny calm temp 70°
80°</sup>
♂a



♂a singing - dropped in to ground

Eat - 1 big meal: blueberries ~"

x 5 = 0.6 lb gl x 5. hjs x 2
+ July for flowers x 3

♂b - saw pr on this step for 1 hr

♂ singing - ♀ coming in + ♂ following

♀ (occurred PI, L, tree, + one shrub)

♀ usually low to ground - dropped ~ 10 ft -

General behavior - no evidence of
hib or anything else

♂ (catbird (H) - H) NO (min, hay) ✓

PL tree x 5 Jln C (st. (F))

Blug stem x 5

♀ dro. list - grass stem x 3
Och leaf clump x 5 (j. + 2 b. on H) →

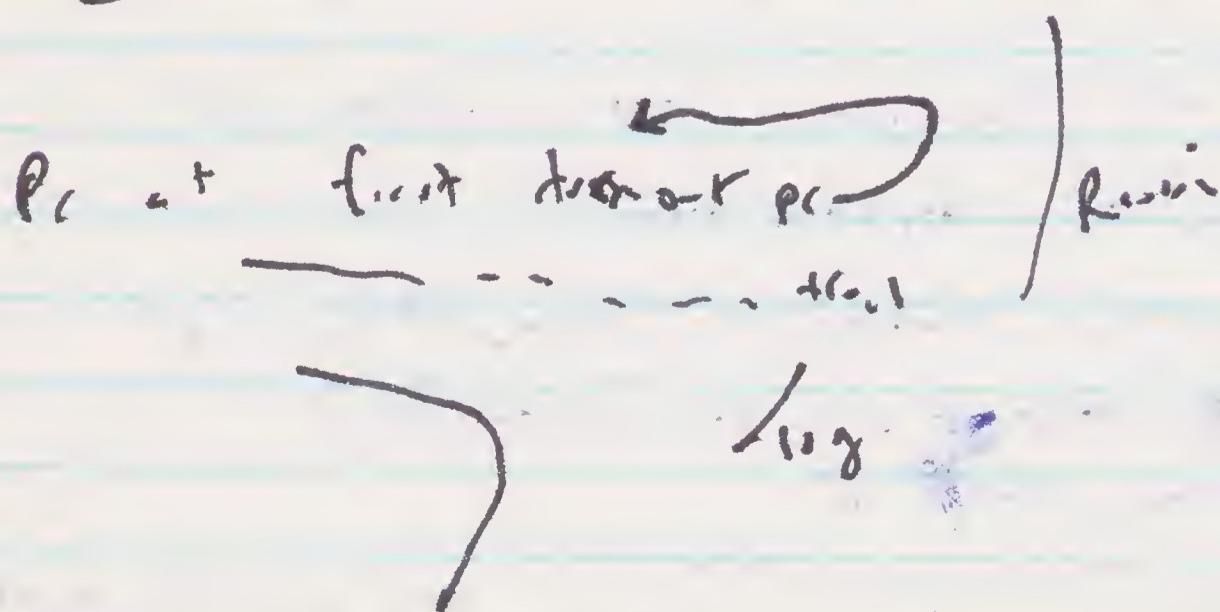
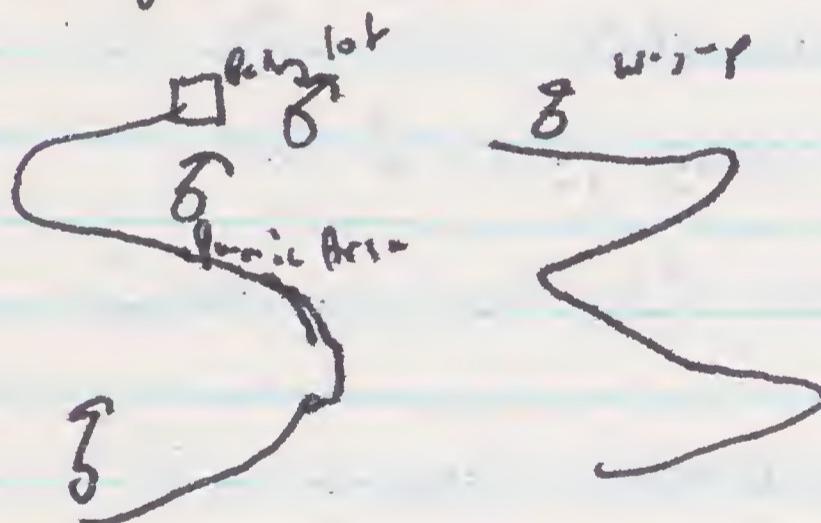
Oak cluster in O.L. glen $\frac{1}{2}$ acre ♂

Blueberry bush glen + 1 hem x 1
branch from probe x 1

checked slope below Horse Trail + found
no birds - but nest located May 20
had 5 W.E.U. not 3 + 2 (sub. id.).

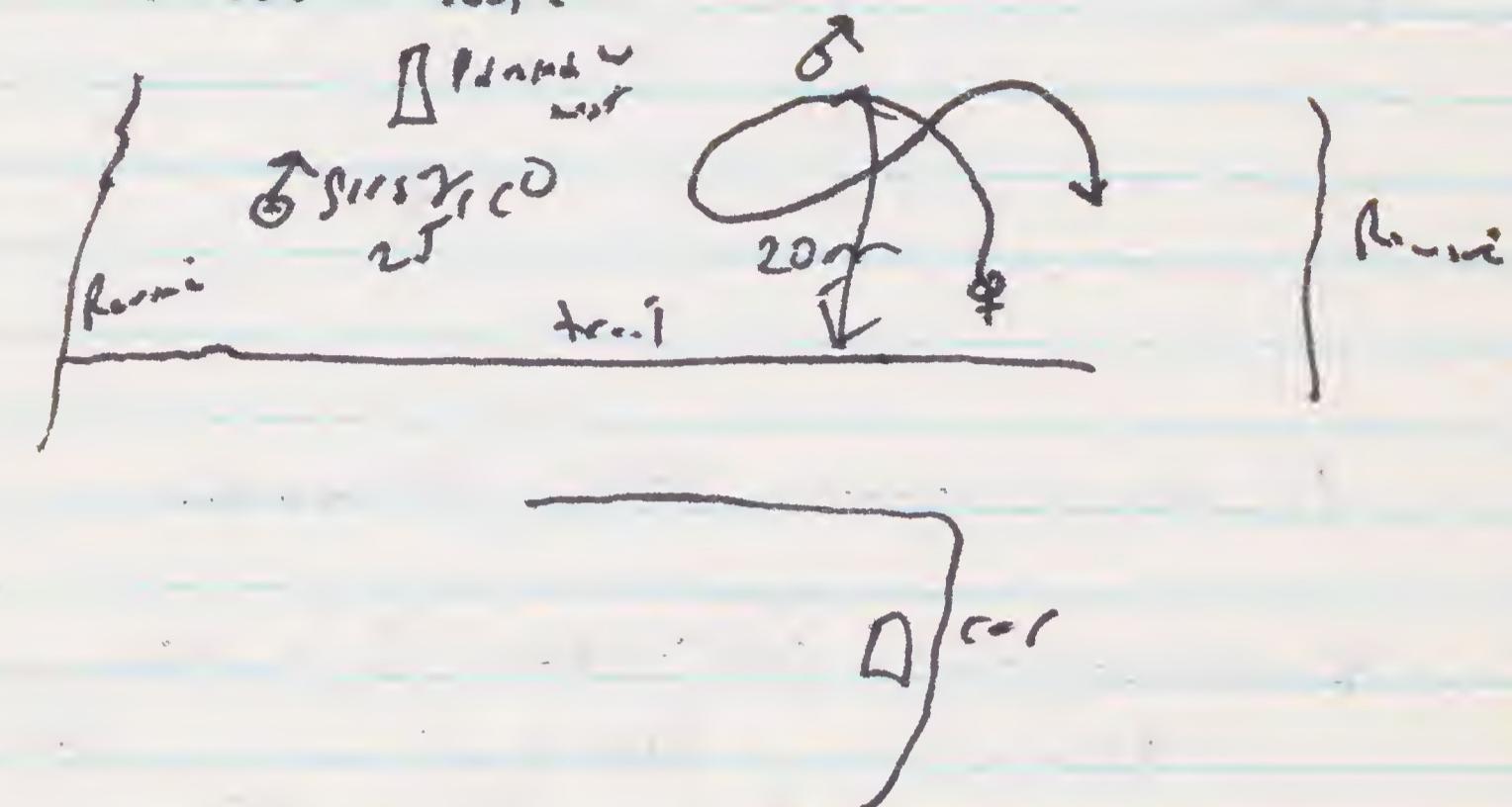
Went to buttress area +
saw pr (♂?) ♂ 15' blueberry T-^{grubbed}
of hair ground

♂ was in bush (glen x 15' long x 5') -
On way down path I saw several J
Singing in new areas.



May 22 8:00-

First nest:



watched for 40 minutes

♀ was on or near ground + marsh

Dead Oak tree for 25

(OL glen x 10, OL litter, + 10)
success at 1 lot (multiple)

✓

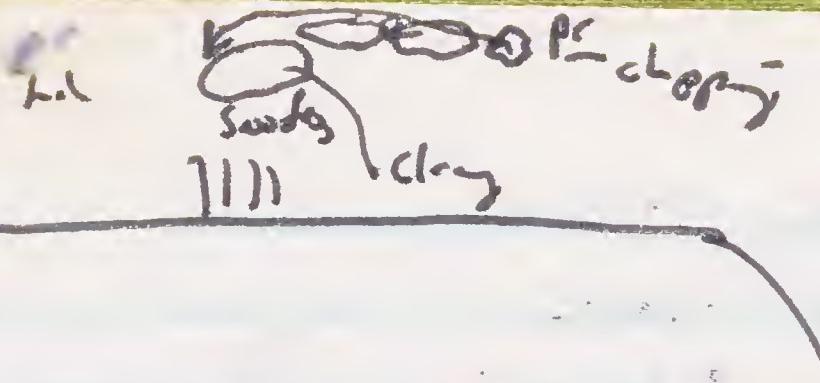
hang at butt end + 2 (got pillar cultural)

If glen (O) = 1b. stem blueberry x 5

the on ground to pull + snare
head leaves).

✓

♂ was 15' in sun +
followed + back



δ

Pr cherry want for 40 minutes,

♀ near ground - ^{Wet} Oak - red oak sl x 20
0-1' hawg x 5
blackberry 16 sl x 5

(✓)

δ C. 0 16 sl x 5
15' lateral hawg x 2 (†) (✓)

δ S. - white hawg

(✓)

δ on Hill CO lateral hawg x 10 (8++)
CO lateral sl x 5
Blackberry lateral hawg & pruber ++

(++)

δ passing - inside hawg
♀ once

grubbed
(all gone)

May 25 9:00-400

I checked lower slope for 3h,
... chipping
--- | 2
--- | R...



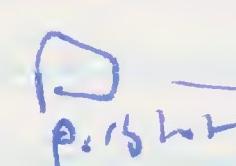
Pr chippings

♀ pubc flower brads of Aralia x 5
lateral hawg x 3 +

✓

I checked slope - saw δ 16 sl x 5
hawg + lateral x 10
20'

✓

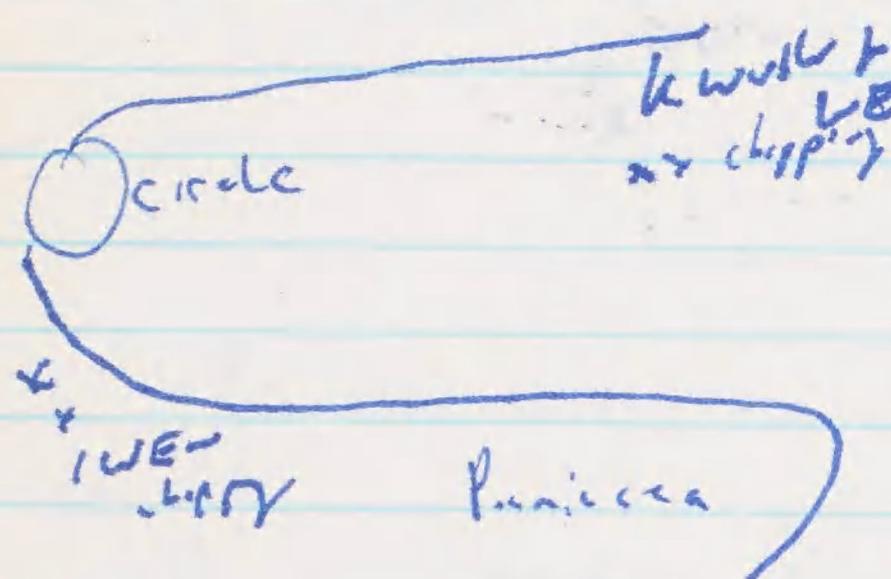


to top of hill
to top of hill
 δ

checked slope below picnic ground

- had some chipping

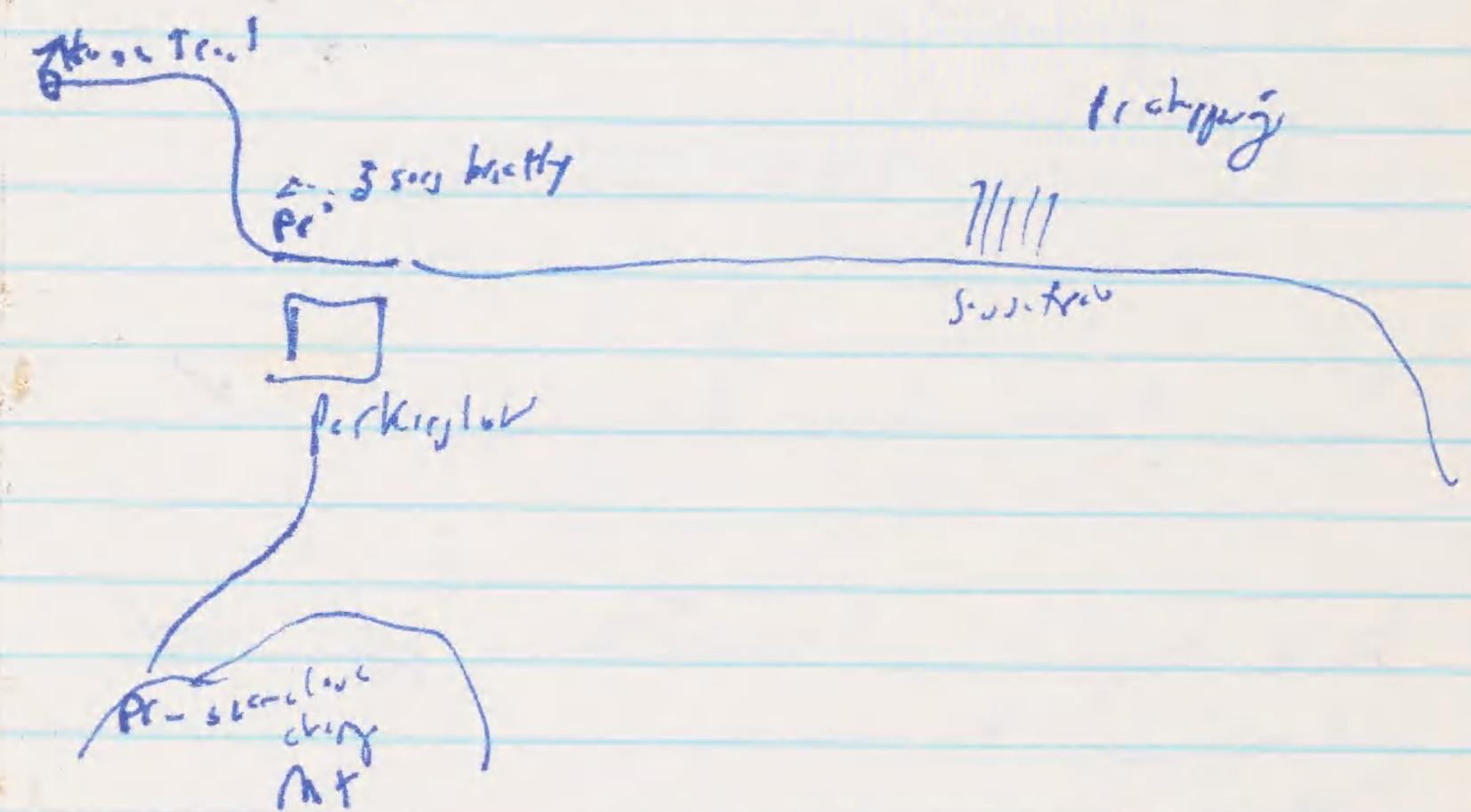
L also chipping near Perkins Circle



May 25 700 -

Pr. 1 had chipping ♂ seen briefly

Pr 2. Q? Demolition probe x 3 ++ t'
tree stumps being x 3 ++ ✓
probe + gap e order bullet oak branch



I checked lower slope below
Perkins lot & found 8 singing -
+ q on nest with 7 eggs still

26 May

With Liane + Friend

Sunny warm - windy

5 ♀ Phragmites or heron x 1 bark probe x 1 0-2

6 ♂ (follyg ♀) around 1bgl x 3

1b heron x 1

✓ ✓

1. ♂

Wt. gleam 20'

DL prob (5' O-sh)

Phragm. livelet

livelet stem (2 1/2" catnib)

leat curl prob



check lower slope in morning

$\delta = b/d \# 1$ car

2. ♂
probe Arch. flower brach 10' ✓
leat curl prob

3 Black cherry leaf gleam x 2 15' ✓

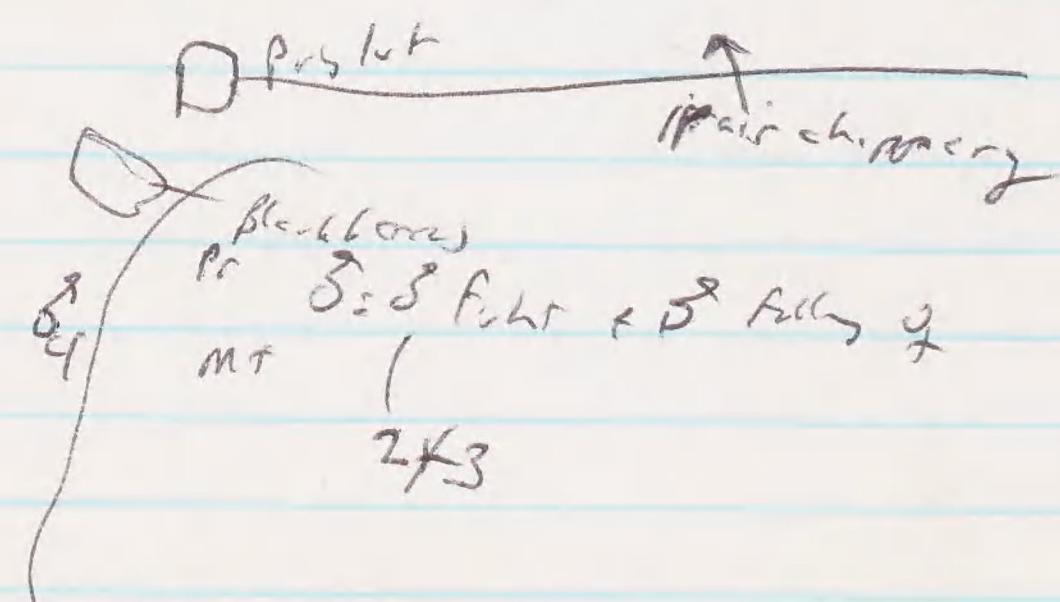
upper slope in afternoon

Wt gleam

dead leaf (1" probe)

Pr-♂ guadalupe ♀
♂+6

4 ♂ heron tattu (1bgl)
bark gleam on trunk + branch 20' ✓

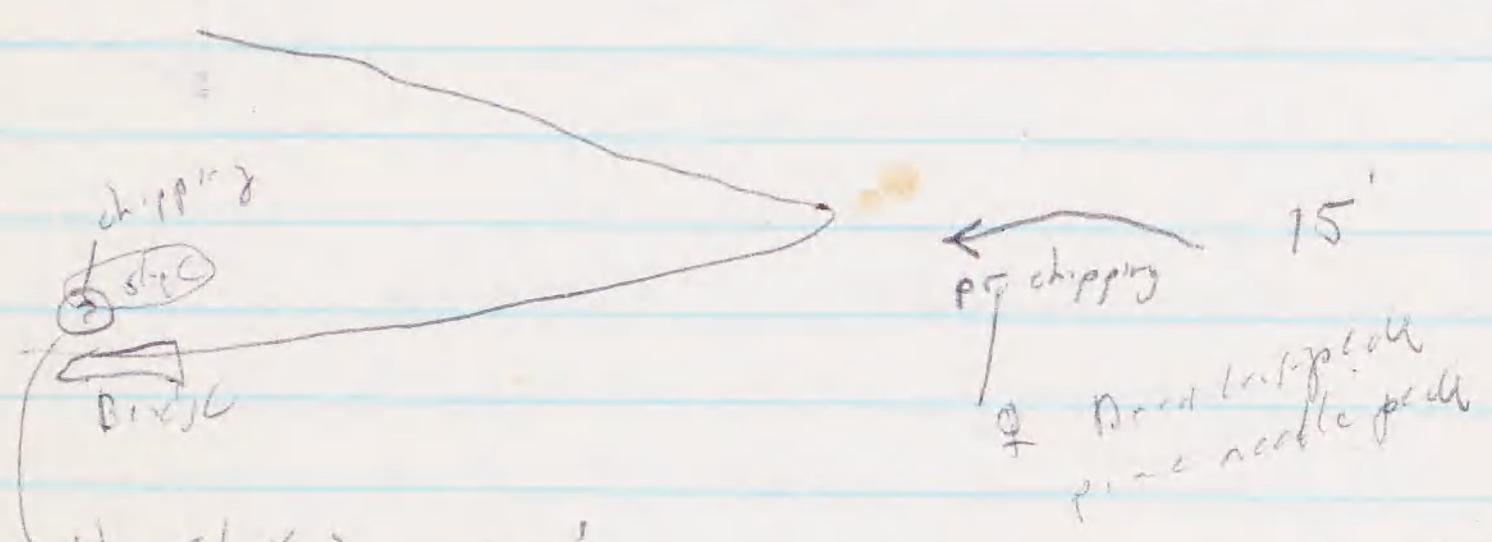


With Line

① 27 May Buccoet early
morning drizzle - 70°

Nest below blue trail

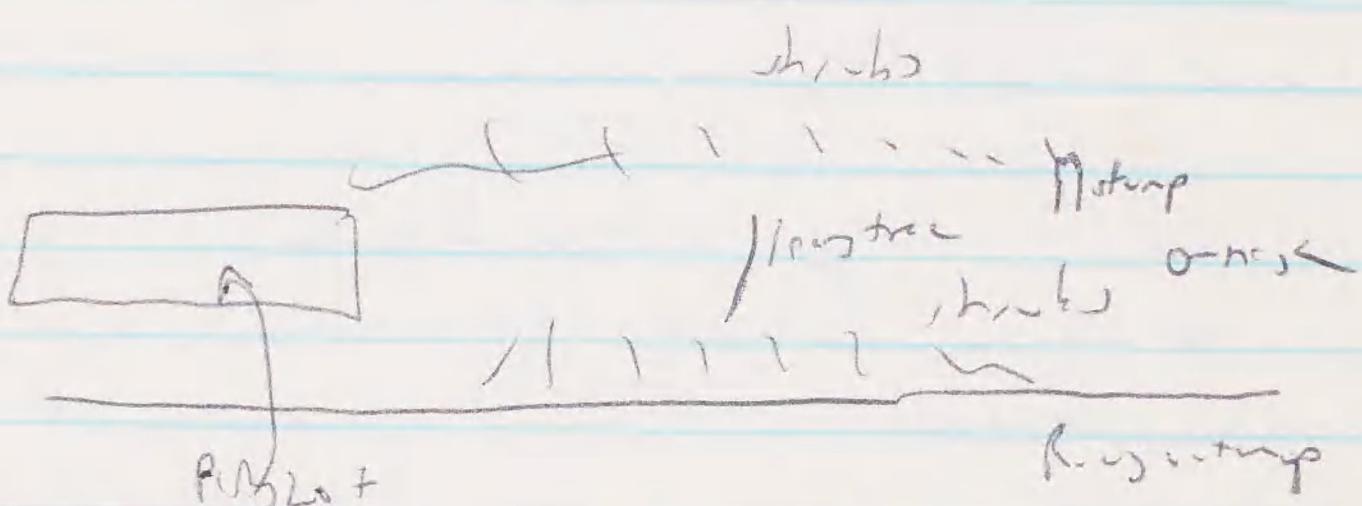
745-900 - lower slope



1b gl x 2 25'
Maple

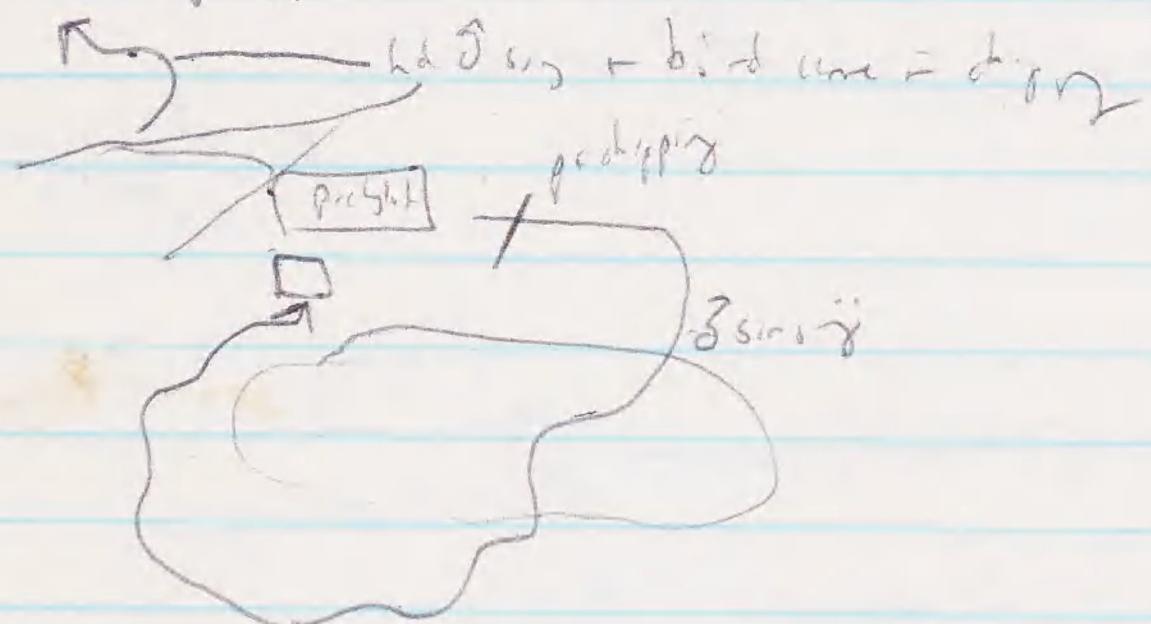
got large nest which it barely
held in feet - but mainly it
handled in bill

✓



pair was in area (I Ld & sing
& another bird chirping

I checked top of Mountain



Line found nearly completed

29 May (28 w/o hol. day) 1200-500

Nest with 5 eggs below Horse Trc.
still has 5 eggs

I checked territory below Blue Trc.
I saw female bird fly up from ground
but didn't find nest.
had 3 singing males

In Deer Thicket was billing

of white tail ♂ & ♀ with chipping

checked slope above parking lot +

part came out - ♂ 1bgl 10' in 0d x 3 ✓
got moth

30 May 1230-500

checked lowest slope near stone
bridge & heard flushed warbler off
nest with 2 warbler eggs - nest
was on slope just under semi-rotted
blueberry plant

We checked Horse Trc. slope +
found nothing

I checked slope below Picnic
Area & above circle &
had chipping at Huckleberry near
circle - above that ♂ was
grating alternate yrs - chip chip chip
sweet-sweet-sweet - like ch-
ch- - white fly in oak (1bgl x 2)
laurel (oak cluster peer x 1) & oak - ✓
1bgl & 1bgl - 4"

30 May Live insect census

shrub

- 1 3mm pilose 3N
- 2 2D
- 3 3mm lat 1, 10 mm rib
- 4 2mm lat 10 mm rib

5 0

6 60

7 1 mm sensibl

8 0

9 0

10 0

11 0 4mm pilose 1b sun

12 0

13 0

14 0

15 0

16 0

17 0

18 0

19 0

20 0

21 0

22 0

23 0

24 0 flooded with water

25 0

26 0

W-15
pc

long

27 0

28 0

29 0

30 0

1/4

May 29 Dead leaves

- 3 mm opilonid
- 7 mm weevil
- 6 mm opilonid
- 3 mm spider
- 7 mm spider + (ss)
- 3 mm opilonid
- 4 mm spider

1/3

31 May

checked lower slope by ^{1st} turn-out
+ Linn found nest with 2 white
+ 2 m.-bird eggs.

checked nest across from brick -
still to C. B. w. & empty
nest near upper path lot was
still empty

June 1 1130-530

Worked low slope below
white trail - hd nothing!

June 3 1230-530

I checked nests at 4:30
with Judy - lowest nest with
cowbirds had ♀ 1 cold CB egg.

2nd nest had 2 ($1\frac{1}{2}$ -2) dy old war
+ 2 cowbird babies chick off.

Five other nests had 1 cowbird egg each.

Empty nest was collected later by Leon.

In afternoon I covered slope
below Horse Trail (hd some chaff)
at first end)

Per slope above white trail (8 sing
briefly hd ♀? ch-p)

2 Grouse at beginning of white
trail.

Leon searched ♀ her
Hairy woodpecker nest below
white trail

1111
July

4 June insect census

1 50

2 00 3mm sp. Dib

3 00 4mm m + Dib

4 50

5 50

6 50

7 50

8 50

9 50 3mm msp. Dib

10 50

11 50

12 50

13 50

14 50 3mm spider

15 50

16 50 3mm spider

17 50

18 50 3mm spider

19 50

20 50

21 50

22 50

23 50

24 50

25 50

26 50 3mm m + Dib

Leaf flowers

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

6 June - sunny, warm 1130-1330

check slope near "corner" where
lime had chipping on bank
in dense level by road 2
found nest - 2 cub. ad + 1 Webster egg
size of gry tow. + 3 yrs. barely
9 lbs x 3 + pink bloom left ✓
25-30'

7 then checked slope above
blackberry thicket & bushy hill &
6 sing. + went below path to
in dense level & low-lying -
I found a this-year unusual
nest - lot at Blue & Haze Rd. I
under blueberry shrub.

Below path lot on slope 2
found a bird (?) fairly low 5-10'
in level (10 ft. 20, bushy hill + 3). ✓
got a pt. & ate on ground.

6 June insect census many warm 1320

Shrub	Total
1 Common buckthorn 2 ft. (b)	150
2 50 b 25 00	250
3 80 30	350
4 2 m. blackberry 1 b	450
5 3m. blackberry	750
6 2-3m. aln. 1 b mrs	600
7 50	750
8 40 Sonchus 1 b	800
9 80	900
10 40	1050
11 80	1100
12 50	1250
13 00 - Common Lin. 1 b	1300
14 00	1400
15 00	1500
16 00	1600
17 00	1700
18 00 2 m. buckthorn	1800
19 00	1900
20 00	2000
21 50 Lin. 1 b	2150
22 50	2250
23 00	2300
24 00 3 m. Sonchus 1 b	2400
25 00	2500
26 00 3 m. buckthorn 1 b	2600
27 00 3 m. flax	2700

8 June insect cards

- 1 ♂
2 ♂
3 ♂
4 ♂ (unspotted)
5 ♂
6 ♂
7 ♂
8 ♂
9 ♂ (unspotted 3mm moth)
10 ♂
11 ♂
12 ♂ (unspotted 3mm moth)
13 ♂
14 ♂ (2x3mm sp. 2mm)
15 ♂ (3mm moth brown)
16 ♂ (unspotted)
17 ♂
18 ♂ (~2cm black)
19 ♂
20 ♂
21 ♂
22 ♂
23 ♂
24 ♂ (unspotted 2mm)
25 ♂ (3mm white 1.5)
26 ♂
27 ♂
28 ♂ (2cm white moth)

29 ♂

30 ♂

845-002

8 June - sunny Hot - checked
slope below parking lot +
found bird - ruined nest - no eggs
around.

I checked slope below Hove
Trail + had 2 3 sing - +

I collected leaves near parking lot +
was singing there a small
nest with cubed + cubed 0.5
had been eaten

June 9

930-1000

New Canaan stand

WBN (10-15') PR

bush 1m x 10

co thist & 5

on hillside present

Dead Larch like shrub x 2

✓

♂ singing for h. luring at white trail

finally picked up bat + shrank -
+ took fragments across trail -
1/2 brother I saw her at same
place with 1 - black.

♂ was in following her +
1 bird in lower x 5 - + probe ✓
blue winged warbler

♀, com balsam bat (b) x 5
flourish in grade x 3

Today was incredibly hot
I checked nest with 2 eggs
on slope below white trail -
it had 3 eggs - one had a hole
& the other was cold - I cracked
them + there was no sign of
an embryo - just yolk!

I checked nest I found
on slope below park lot - empty
& I found another old nest
on that slope - I did see
a jingling ♂ + ♀ in birch shrub
abou 2

WBN - pr

♀ on trail at end of

Sassafras going at dead wood

leaving them - also went to leave
of bush x 5

✓

June 7 Dead leaf insects
1cm elctred
1mm spider

1/1

June 9 Dead leaf insects
1cm elctred
4mm opilions
1cm spider
4mm spider
3mm spider
3mm humop

1/4

June 5
1.2cm lycaenid

1/1

June 9 (cont'd)

For other birds see previous
pgs

3 stars

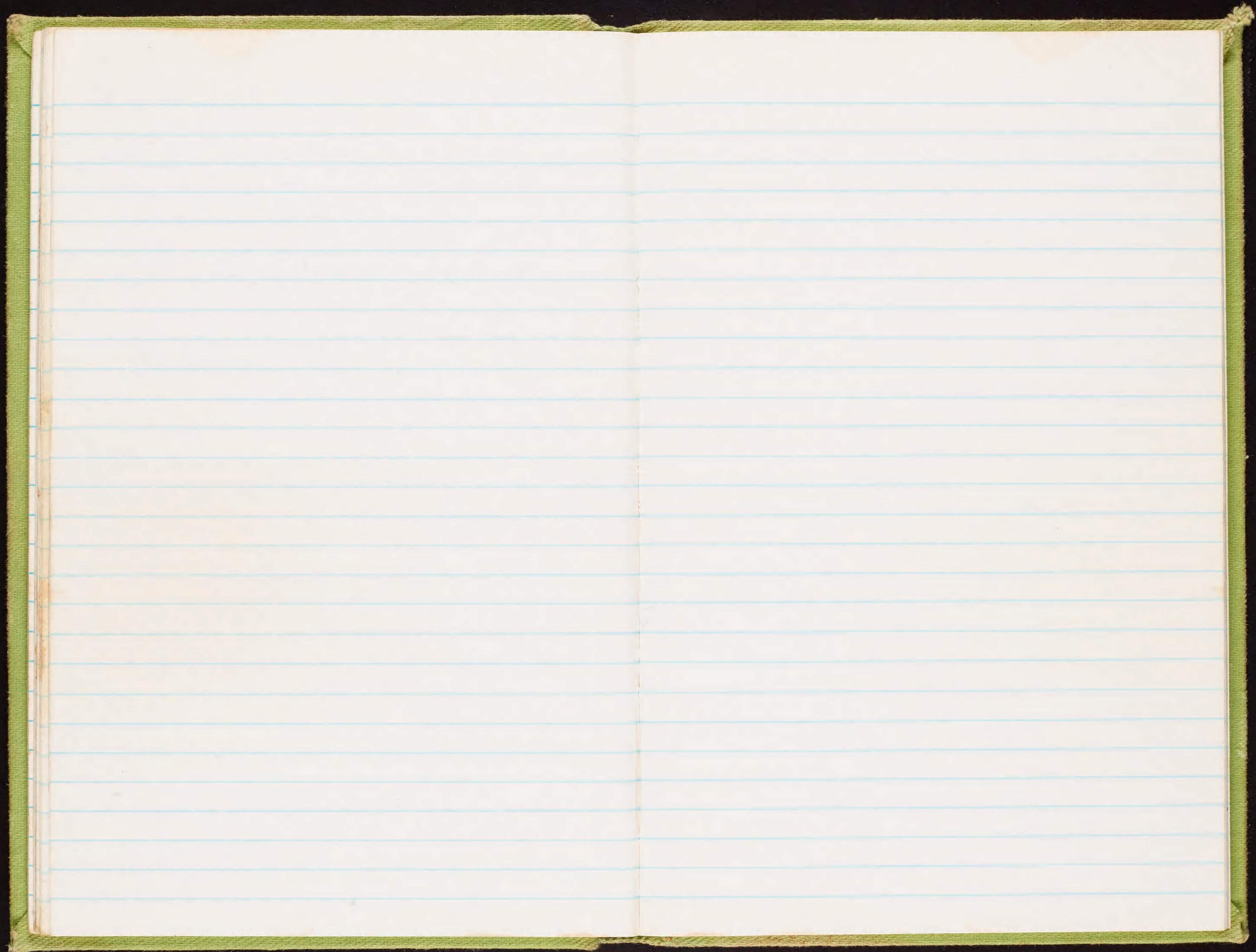
Lot + Judy 36 No

8/4

7 dove (last at each) 1130-9/03

dark base slopes - tail
lighter on top. The dark
slope below white tail -
3 w. signs in scratches -
see the Red-tail Tropic bird ✓

No babies yet!



June 11 1922 (13)

I should stop down today but
I am going to have an expedition
over to the south bank today.
To do so I will go back through
the water down slope.
I take along bus at Mt. Four
but the upper hills are fresh &
mostly granite. I took over a
motor boat. I packed up
my traps & shot traps before
I took out my boat &
then got out my traps & one of
them was a gull trap.
I took it out & the gull had
got a fish hook in its bill.
I took it off & followed him at
the same speed who took to land
as soon as

June 12

1030-1200

June 13 - 57 ad.

Went with Brian & Jim to
beach where he found 1st
of Chapman's gull chick but
no nest other Blue脚
Chapman's chick
Chapman's chick - from sparrow
Sparrow fledgling at the water
drank no right.
Liam & Jim went to the
old nest site where they located
pinkish chick about 6
feet west of the 2 just hatched
hatched or ^{older} a small egg
so I cut 3 legs off Hatched
Not seen under Oak today

June 14 1030-1330

checked nest at slope
above upper trail & found 1 baby
climbed, 2 crossed & 3 under
eggs.

Put more materials about.
check slope below pink lot - none.
then checked slope at end of
white trail -

sing on trail selecting
dead leaves white ♂ busy out
- likely (but x 100) pink lot
dried leaf lot cluster - get pillar off leaves
out of rock 4 + traps
touched up with sticks
tried at (was) ♀ stem
quite selective

about over new when 7
pink lot - had 5 day - few
no worms though

June 15 1030-1330

I checked slope below traffic
circle 3 were chipped & very
hot no more than 5 ft from pine
weibler with old fledglings - 3 pink
→ left dressed (brown) oak leaf = 20' s. +
briefly checked slope above circle -
chipping Sparrow with old fledgling.
I went to area of Sassafras
when Monday I observed nest
building & found nest with 3 eggs
under ~~blueberry~~ ^{pinetree} 10' from trail
I checked House Finch slope &
above trail - 7 found 1 chipping ♀
A sparrow had a nest
placed under a log with 1 egg.
at trail like the ♀ with fine eggs
I found Robbin's Skewer - and was day 3

2 nests in bird big
not brown

6 sing. below - 3 nests
- pink lot

June 16 - W.R.L. Torre, Lincoln

Dear
Cloudy & drizzly

I checked 3 extant nests

1) at base of slope fay min road
under locust - 3 wibbler eggs

1 (cubbird ej)
(2 d., old combird)

Trek across Blue trail pier cone
in clippings to cherry at S. Tresser
6

1) - Level 11st + 5, flower path = 2 ✓
brick feeding (switch l.h. Brew water)

Linear forest 2 new (4 dy old) fledglings low
"no (cubbirds)"

2) in sunken slope - 3 ej

3) under log by Horse Trail -
1 ej

I put mouthbath by all 3 nests

I visited slope blue path lot -

halfway down slope & saw pr ✓
in locust (♂ 11g1x5, flower path + 5 ✓
♀ " ")

17 - 25 June.

I failed to keep accurate notes on a daily basis during this period. I spent 3 hrs/day on 18, 19, 21, 22 & 24.

During this period the nest with 3. cardinals & 3 warbler eggs failed to hatch more than the warbler. I looked at the eggs on the 22nd and found them without any sign of development or fertilization.

The less nest along Horse trail was observed on the 18 or 19th, & I checked ^{it} again on the 22 & found it to also be underdeveloped so that 7/17 eggs found this year were known to be unfertilized.

I saw the following bird behavior:

Slope near Pine Creek 3' - 0-4 ft 16, ✓

pr on slope or base of Red trail - several days after nest-builds observed I saw pr together - low in bushes - they stayed near me for 5-10 minutes - ♂ 1bgl in brush x 17 ✓
brush x 3 ✓
♀ 1bgl in brush x 20. ↑
both 1-3' off ground 12

I watched pair on lowest slope along rd - also close & close to ground 3' 15' 1bgl 0-4 ft 0-4 ✓

Then
♂ + ♀ 1bgl 0-4 ft 0-4 ✓
x 20

I checked slope below Blue trail

on two days - had snow

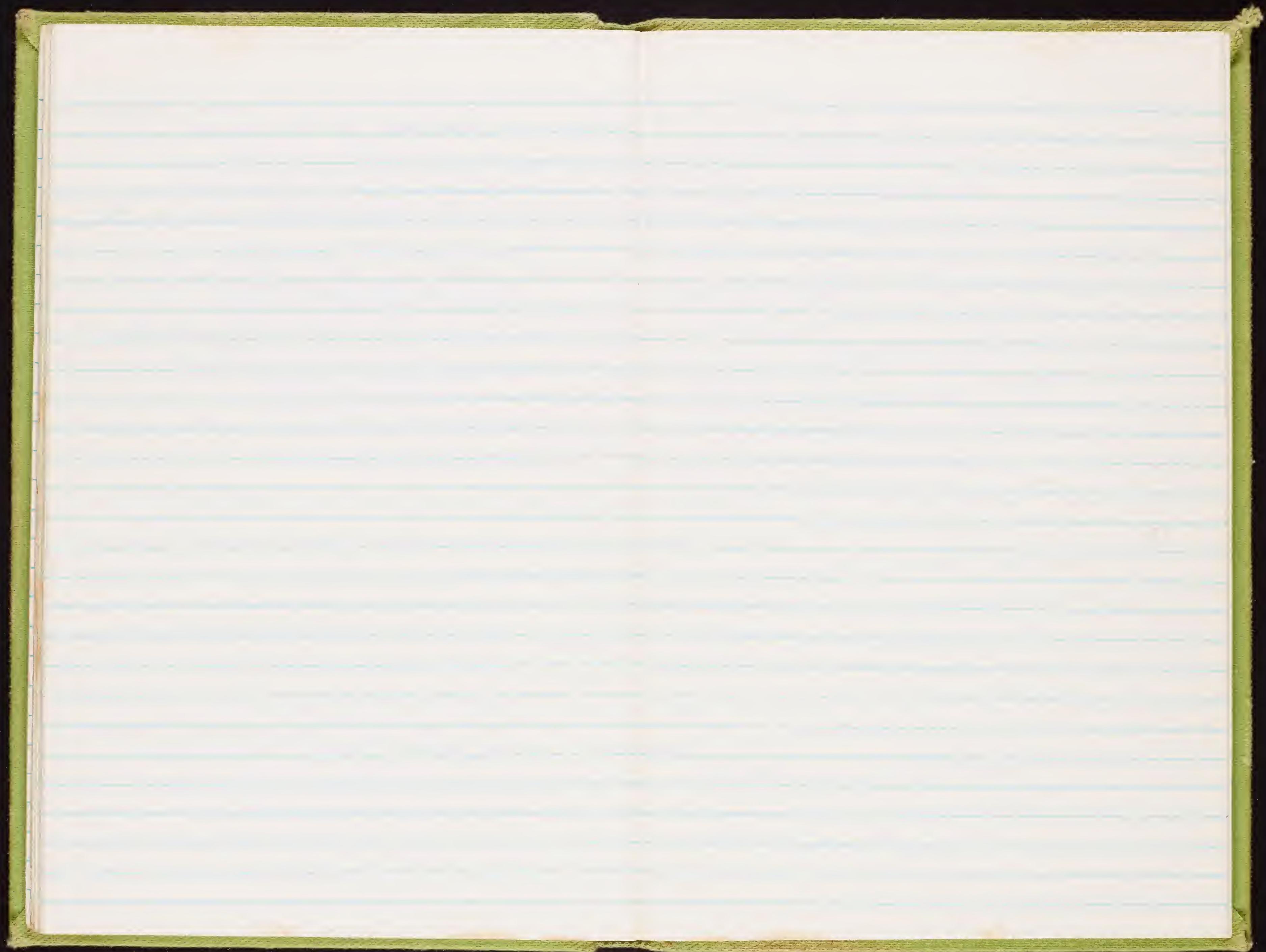
35 snow c 1.5.

little dipping except in one place.

On an other slope I

found an abandoned nest under

Blueberry.



1000 ft. above sea level

at 1000 ft. above sea level

Tuesday 26 June

checked nest below white trail -
still two eggs.

I looked over slope at base
of red trail - saw nothing but
3 bushy.

checked slope below p-h 10'
saw pair ~~pair~~ ^{two} - ~~fluffy~~ (= 8-10
~~days old~~) ~~LEW~~ - brush line
fluffy insect of some sort -

low - 0-5' bushy tree ^{large} (CIV)
^{Edible}
^{fruit}
16st in Azalea (x 5). ✓

I checked slope above circle &
saw + h'd 5 bushy

Thursday
June 28

1030-130

checked nest in Sassafras stand
below white trail - 2 10+ day
old nestlings + a cowbird nestling -
apparently the lesser warbler was
really a cowbird egg - + dealt
with the cowbird.

I briefly walked slope at
beginning, at red trail + saw nothing.
At base of white trail 25'
success, for a long period
+ saw 1 S flyby 0-10' up
✓ Oak-16st x 20
branch x 2
One failed to check x 5 (Cherry) no success.

I walked over area behind p-h 10'
with no success.

I made 2 decimal collectors,

7/2/84

line (etc.)

upper part, lot

shrub

1.00

2.00

3.00

aphids

4.00

5.00

6.00

7.00

8.00

9.00

10.00

1cm br brt lsh

11.00

xenias scur

12.00

pink

13.00

4mm hem op lsh

14.00

lunaria pink lsh

15.00

2cm br, 2+ hig
pill w/lb

16.00

lunaria lsh

17.00

lunaria lsh

18.00

lunaria lsh

19.00

2+ lmn sp w/lb

20.00

3mn greenish

21.00

1cm opionalt lsh + b

22.00

3mn honey lb

23.00

1.00

1.50

2.00

3.00

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

17.00

18.00

19.00

20.00

21.00

22.00

29.00 - sphex

25.00

26.00

27.00

28.00

29.00

30.00

31.

32.

33.

34.

35.

36.

37.

38.

39.

40.

71.

42.

73.

44.

45.

23

24

25

26

27

28

29

30

July Dead leaf Sample # 1

collect 7/1

7mm lady beetle

5mm moth

7mm weevil (br)

5mm beetle (br)

7mm weevil

5mm moth

4mm spider

3mm green

green beetle

7mm weevil

7mm weevil

5mm moth

0/5

Sample 2 7/1/81

5mm beetle br

3mm weevils

2 " "

" "

5mm beetle

July 13 1100-

1 70 ^{drift} live larvae,

2 50

3 50

4 80 3mm beetle

5 50

6 50

7 80 3mm aphid

8 50 3mm beetle

9 ~~50~~ 80

10 50

11 50

12 50 3mm beetle

13 80 24 3mm optional ft

14 50

15 80 1.5cm chitrid 1b

16 50

17 50 1cm br. honey 1b

18 50

19 50 1cm br. honey 1b

20 50 1cm spore 1t.

21 50 1cm beetle br 1t

22 50 3cm thick gr plus 1b

23 50 3mm beet

24 50 1cm gr. chitrid 1b

25 50

1 50 *green hump*

2 50 *green br. pillars*

3 50 *green pillars*

4 80 *green pillars* 1b

5 50 *green paper*

6 50 *green liguria*
leaves 1b

7 50

8 50 *1cm gr. leaves*

9 50 *3cm skin* 1b

10 50 *3cm skin* 1b

11 80 *1mm pillars* 1b

12 50 *large*

13 80

14 50

15 50

16 50

17 50

18 50

19 50

- 26 ~~bark but 1b~~ - Transversal
 27 ~~Timber cut~~ (1.2 cm diameter) 1b
 28 ~~Tan br. honey, 1b~~
 29 ~~brown green pith (+h.-) 1b~~
 30 ~~Timber cut 1b, tan green with 1b~~

- J-1, 13
- Line ^{short} (cut simple 2
 1 ~~Gum honey~~ 1b
 2 80 80
 3 ~~Gum honey 1b~~ 1b
 4 80 8 mm ring p. lvs 1b + ②
 5 ~~80~~ 8 mm ring p. lvs 1b
 6 80 Transversal pith 1b 1b
 7 6 mm spear 1b 1b
 8 80 8 mm violet lvs 1b 1b
 9 80 1b 1b
 10 8 mm wood 1b 1b
 11 8 mm p. lvs 1b 1b
 12 4 mm violet lvs 1b 1b
 13 ~~tan + brown pith 1b~~ 1b
 14 80 1b 1b
 15 80 8 mm p. lvs 1b 1b
 16 80 8 mm p. lvs 1b 1b
 17 80 8 mm p. lvs 1b 1b
 18 80 8 mm p. lvs 1b 1b
 19 80 8 mm p. lvs 1b 1b
 20 ~~80~~ 8 mm honey 1b 1b
 21 80 8 mm wood, 2 cm p. lvs 1b 1b
 22 80 80
 23 80 80
 24 80 80
 25 80 80
 26 80 80
 27 80 80
 28 80 80
 29 80 80
 30 80 80
- 3 mm thinnest p. lvs 1b

14 July Dead leaves

1#

7mm lady beetle

1.5 cm pillar

7mm larva

7mm lady beetle

Immatured

7mm lady beetle

3mm bug

1cm caterpillar

4mm beetle

3mm beetle

1cm larva

7mm nymph

4/4

2

3mm beetle

4mm spider

1.5 cm grub

1.2 cm fat caterpillar

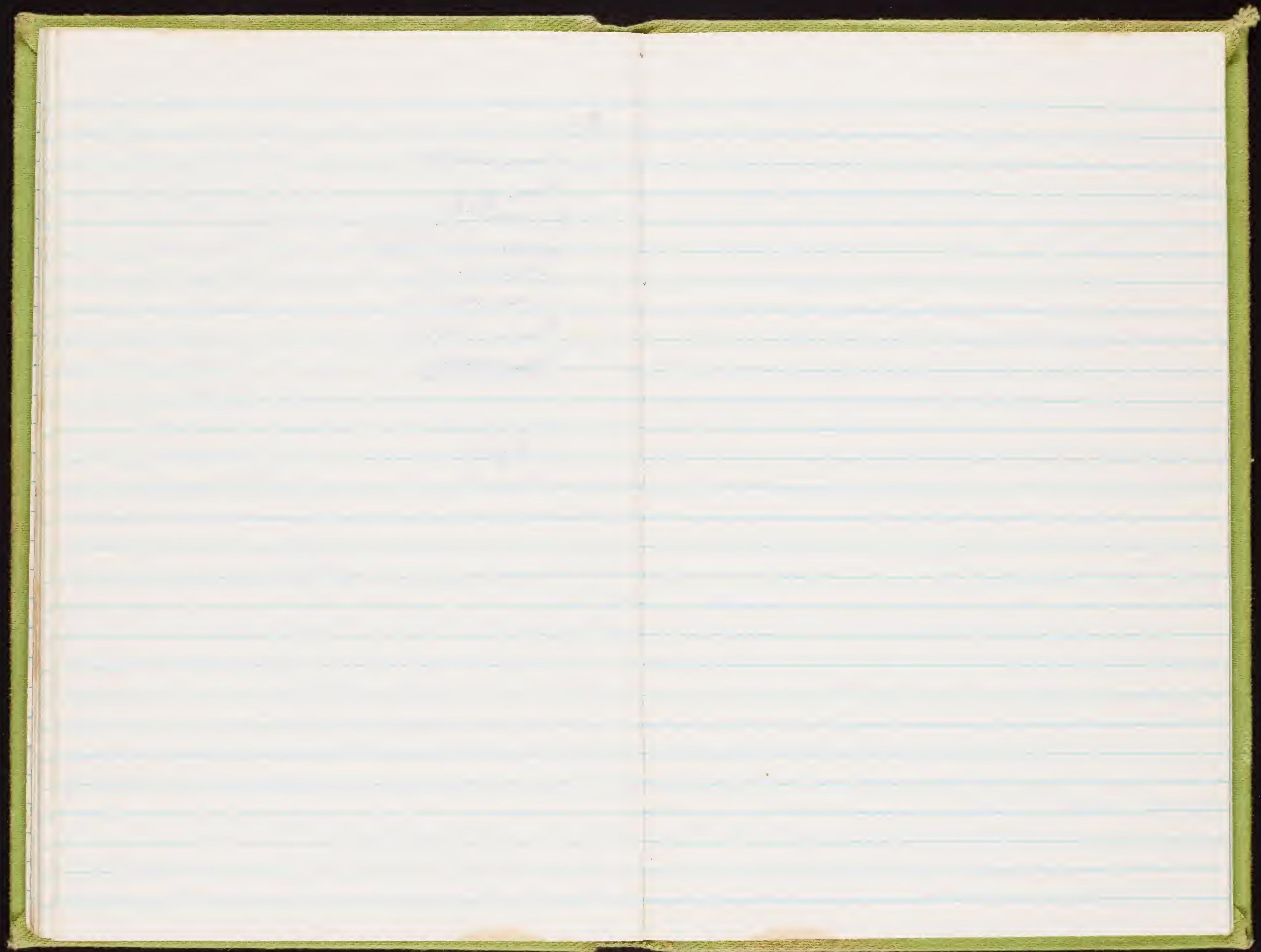
7mm weevil

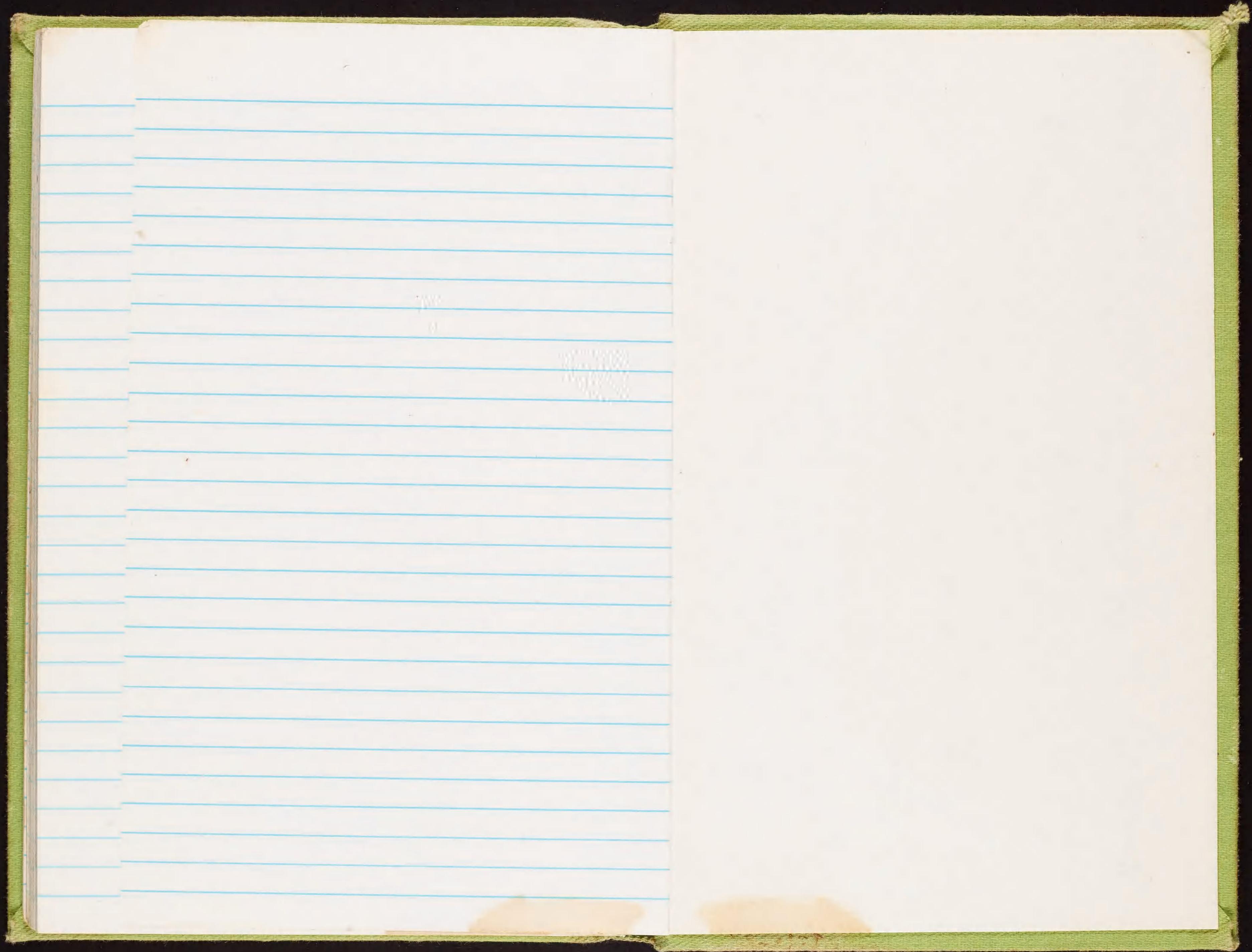
7mm beetle

2cm caterpillar

4mm spider

2/4





May Dead Leaves

Bigs total

1 10

0 11

1 4

0 3

area 1.5 5.06

0.5

9x

May Live Leaves

(0 4)

5 13

June 1 23
1 41

Live

1 4

0 8

0 7

2 11

Dead

1 4

1 1

1 3

1 1

July 8 16 0 5
16 18 0 0
11 17 2 4
— — 4 4

